

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Randy Hoffman

Confirmation No.:

Application No.:

Examiner:

Filing Date: October 2, 2003

Group Art Unit:

Title: INORGANIC ELECTROLUMINESCENT DEVICE WITH CONTROLLED HOLE AND ELECTRON INJECTION

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
 - ☐ Statement under 37 CFR 1.97(e), or
 - ☐ a \$180.00 fee under 37 CFR 1.17(p), or(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
 - ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
 - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EL980208721US**

Date of Deposit **October 2, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: **Paul C. Oestreich**

Respectfully submitted,


Randy Hoffman

By

Paul C. Oestreich

Attorney/Agent for Applicant(s)

Reg. No. **47,983**

Date: **October 2, 2003**

PATENT APPLICATION

Sheet 1 of 3

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200208804-1		
	APPLICANT		
	Randy Hoffman		
	FILING DATE	GROUP	
	October 2, 2003		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2002/0139985	10/03/02	Matsuo, et al.	
	1B	2,817,783	12/24/57	Egon E. Loebner	
	1C	3,242,368	03/22/66	Donald, et al.	
	1D	3,267,317	08/16/66	Albrecht G. Fischer	
	1E	3,353,114	11/14/67	Hanks, et al	
	1F	3,492,548	01/27/70	A.M. Goodman	
	1G	3,510,714	05/05/70	W. Hehmann	
	1H	3,541,375	11/17/70	M. Aven	
	1I	3,544,864	12/01/70	P. Richman	
	1J	3,978,507	08/31/76	Jacques Fertin	
	1K	4,081,764	03/28/78	Christmann, et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	EP 1143 773	10/10/01	Matsuo, et al.		
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER	DATE CONSIDERED
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PATENT APPLICATION

Sheet 2 of 3

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200208804-1	APPLICATION NO.	CONFIRMATION NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	4,152,711	05/01/79	Josuke Nakata	
	2B	4,197,552	04/08/80	Walker, et al.	
	2C	4,458,261	07/03/84	Yasuhisa Omura	
	2D	4,486,499	12/04/84	Kiyoshi Morimoto	
	2E	4,554,485	11/19/85	Takahiro Yamada	
	2F	4,766,471	08/23/88	Ovshinsky, et al.	
	2G	4,847,609	07/11/89	Kuwata, et al.	
	2H	4,882,295	11/21/89	Czubatyj, et al.	
	2I	4,958,898	09/25/90	Friedman, et al.	
	2J	5,097,298	03/17/92	Shaw Ehara	
	2K	5,652,067	07/29/97	Ito, et al.	

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	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

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	2S	

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
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	3A	5,663,573	09/02/97	Epstein, et al	
	3B	5,850,123	12/15/98	Michael D. Potter	
	3C	5,958,573	09/28/99	Spitler, et al.	
	3D	6,433,355	08/13/02	Riess, et al.	
	3E	6,448,950	09/10/02	Chun-Fai Cheng	
	3F	6,573,651	06/03/03	Adachi, et al.	
	3G	6,577,058	06/10/03	Ossipov, et al.	
	3H				
	3I				
	3J				
	3K				

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	3Q	
	3R	
	3S	

EXAMINER

DATE CONSIDERED